



OFFICE OF THE PURCHASING AGENT

TOWN OF ARLINGTON  
730 Massachusetts Avenue  
Arlington, MA 02476

Telephone (781) 316-3003  
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DATE: June 24, 2013

TO ALL BIDDERS

BID NO. 13-12

SUBJECT: Culvert Rehabilitation at Arlington High School

**ADDENDUM NO. 1**

TO WHOM IT MAY CONCERN:

With reference to the bid request relative to the above subject, please note the following:

**SEE ATTACHED**

**BIDDER MUST ACKNOWLEDGE ADDENDUM WITH SUBMISSION**

All other terms, conditions and specifications remain unchanged.

Very truly yours,

Town of Arlington

A handwritten signature in blue ink, appearing to read "Domenic R. Lanzillotti".

Domenic R. Lanzillotti  
Purchasing Officer



TOWN OF ARLINGTON  
Department of Public Works  
51 Grove Street  
Arlington, Massachusetts 02476  
Office (781) 316-3320 Fax (781) 316-3281

Engineering Division

June 24, 2013

**Addendum No. 1**

Culvert Rehabilitation  
Arlington High School

The following are questions asked at a pre-bid meeting held on June 18, 2013 at 1:00pm. The meeting was not a mandatory meeting and was held to provide an opportunity for potential bidders to review the site and ask questions.

**Question 1:**

Will excavation be allowed for the relining of the 36" drain line.

**Answer 1:**

No excavation will be allowed within the parking lot.

**Question 2:**

Who will be responsible for testing the sediment removed from the culvert.

**Answer 2:**

The Town will be responsible for the sampling and testing of the soils removed from the culvert cleaning process. If the soil is determined to be clean it will be the responsibility for the contractor to remove and dispose of the soil properly. If the soil is determined to be contaminated, the Town will be responsible for the removal and disposal.

**Question 3:**

Could the history of the site be mentioned in an Addendum.

**Answer 3:**

The culverts are located adjacent to a Massachusetts Contingency Hazardous Waste Site. The area is inspected annually and no evidence of contamination in or adjacent to the culvert has been observed.

**Question 4:**

Is the land adjacent to the parking lot Town Property.

**Answer 4:**

The land located on the east side of the parking lot is owned by the Town.

**Question 5:**

How long will questions pertaining to the bid request be allowed.

**Answer 5:**

Additional Questions will be allowed up to 48 hours prior to the opening of the bid and will be posted as an addendum on the Town website if necessary.

**Question 6:**

Could you please clarify the methods allowed for the lining of the culvert.

**Answer 6:**

The methods allowed will be either a Spiral Wound Polyvinyl Chloride Pipe liner (SWP) or a Culvert Reline Model Specification utilizing Profile Wall (ASTM F-894) HDPE Pipe.

**Question 7:**

What is the anticipated Award Date for the project?

**Answer 7:**

The Award Date for the contract will be on or about the week of July 1<sup>st</sup>

**Question 8:**

Are trees allowed to be removed and are bank excavations allowed.

**Answer 8:**

Any work required within the brook or bank areas will need to be indicated in the Host Pipe restoration Plan submittal. Any additional work required for preparation for and installation of the culvert liner shall be considered incidental to the cost of the Culvert Lining.

**Additional Requirement:**

It shall be a requirement of this contract that the contractor provide all items necessary for the installation and construction of a temporary barricade or fence around the perimeter of the area to be utilized as a staging area. See Section, Specifications - Temporary Fencing Attached.

**Additional Requirements:**

There is an MWRA sewer manhole located within the indicated staging area. Access shall be available and maintained to this manhole at all times.

# **STANDARD SPECIFICATIONS FOR MATERIAL AND THE CONSTRUCTION OF TEMPORARY FENCING**

## **SECTION 1. GENERAL REQUIREMENTS**

The work herein provided for is to be performed in accordance with the plans and the general and special provisions of this contract, and with these specifications which are intended to cover all items necessary for the installation and construction of temporary fencing and appurtenances thereto to provide a separate and secure staging area for the performance of work associated with the rehabilitation of the High School Culvert and 36" drain line.

## **SECTION 2. MATERIAL REQUIREMENTS**

### **A. CHAIN LINK FENCE**

All ferrous materials shall be new and galvanized. Imperfectly galvanized material or material upon which serious abrasions of the galvanizing occur shall not be used.

#### **1. POST AND BRACES**

Posts and braces shall conform to the following minimum requirements:

	Diameter, Inches <u>6' and over</u>	Diameter, Inches <u>under 6'</u>	Wt. lbs/ft. <u>after Galvanizing</u>
End of Corner Posts	2.846 O.D. Pipe	2.351 O.D. Pipe	3.10
Line Posts	2.351 O.D. Pipe	1.869 O.D. Pipe	2.31
Braces	1.630 O.D. Pipe	1.630 O.D. Pipe	1.93

Miscellaneous Standard Galvanized 1" Pipe, as shown.

Posts on each side of gates shall be galvanized pipe conforming to the following requirements:

Width of Each Gate Unit Up to and including 6 feet	Diameter, Inches 2.846 O.D.	Wt., lbs/ft. 4.95
Over 6 feet to 13 feet	3.960 O.D.	8.65

Posts of other configurations, but of the material specified, will be considered for substitution only if the least section modulus is equivalent to that of the specified round post.

#### **2. FABRIC**

Chain link fence fabric shall be galvanized steel fabric conforming to the specifications of AASHO Designation M 181. The fabric shall be hot-dip galvanized after weaving. The wire used in the manufacture of the fabric shall be 11-gauge

unless specified otherwise.

All chain link fence fabric shall be woven into approximately 2-inch (2") mesh such that in a vertical dimension of 23 inches (23") along the diagonals of the openings there shall be approximately eight (8) meshes. Chain link fence fabric shall have knuckled finish on top and bottom edges.

### 3. GATES

Gate frames shall be constructed of not less than one and one-quarter inch (1 1/4") galvanized standard weight pipe conforming to the specifications of ASTM Designation A 53. Gate frames shall be cross trussed with three-eighth inches (3/8") adjustable truss rods. The corners of gate frames shall be fastened together and reinforced with a malleable iron fitting designed for the purpose or by welding. Welding shall conform to the provisions in Section 55-3.17, of the Standard Specifications, "Welding", and all welds shall be ground smooth.

### 4. MISCELLANEOUS

Between posts, chain link fabric shall be fastened to a top rail and bottom tension wire. The tension wire shall be at least 7-gauge galvanized coil spring steel of good commercial quality. Tie wires and post clips shall be at least 11-gauge galvanized steel, placed as shown on the standard drawing.

## SECTION 3. CONSTRUCTION METHODS

### A. CHAIN LINK FENCE

The fence shall be constructed in accordance with the Staging Area Temporary Fencing Plan submittal and in compliance with these requirements. Temporary fencing shall be inspected and approved by the Engineering office prior to work commencing.

#### 1. EXISTING FENCES

Fences that are to remain in place shall be protected and preserved by the Contractor, and any and all damage to existing fences shall be immediately repaired to the satisfaction of the Town.

#### 2. CLEARING

All earth, trees, brush and any other obstructions which interfere with the proper construction of fences shall be removed and disposed of as directed by the Engineer. All such work shall be considered as part of the fence construction.

#### 3. POSTS

All posts shall be fitted with an appropriate device to carry the top rail and bottom tension wire. The length of all posts, exclusive of fitted top fixtures or other methods of supporting the top tension wire which are integral with the post, shall not be less than the depth of the concrete footings shown on the plans plus the height of the mesh as shown on the plans or specified in the special provisions, less two inches (2").

Line posts shall be spaced at not more than 10-foot (10') intervals, measured from center-to-center of posts. In general, in determining the post spacing, measurement will be made

parallel to the slope of the natural ground, and all posts shall be placed in a vertical position, except in unusual locations where directed by the Engineer, the posts shall be set perpendicular to the ground surface.

All posts shall be set in concrete footings conforming to the details shown on the plans and crowned at the top to shed water.

End, corner and gate posts shall be braced to the nearest line post with galvanized diagonal or horizontal braces used as compression members and galvanized three-eighth inches (3/8") steel truss rods with turnbuckles used as tension members.

Line posts shall be braced horizontally and trussed in both directions at intervals not to exceed two hundred feet (200'), as above described.

#### 4. ANGLE POINTS

Changes in line where the angle of deflection is thirty degrees ( $30^\circ$ ) or more shall be considered as corners and corner posts shall be installed.

#### 5. RAIL, WIRE AND MINIMUM FITTINGS RAIL

Top rail, tension wires and carrier, stretcher bars, all post fittings, hardware and attachments shall be steel, a malleable iron or wrought iron, and shall be galvanized. All required fittings and hardware shall be fastened to the posts in a proper and acceptable manner.

Tension wires shall be stretched tight. The bottom tension wire shall be installed on a straight grade between posts by excavating the high points of ground and in no case will filling of depressions be permitted.

#### 6. CHAIN LINK FENCE FABRIC

The fabric shall be fastened to end, corner and gate posts with three sixteenth inch by three-quarter inch (3/16" x 3/4") stretcher bars and not less than one-eighth inch by three-quarter inch (1/8" x 3/4") stretcher bar bands spaced at one-foot (1') intervals. The fabric shall be fastened to line posts, rails and tension wires with tie wires or post clips. The fasteners shall be spaced at approximately twelve inches (12") on line posts and at approximately eighteen inches (18") on tension wires.

Chain link fabric shall be fastened on the side of the posts designated by the Engineer.

The fabric shall be stretched and securely fastened to the posts, and between posts the top and bottom edges of the fabric shall be fastened to the rails and tension wires.

#### 7. GATES

Drive gates shall be of the widths designated in the plans and special provisions. Walk gates shall be four feet (4') wide, unless otherwise specified in the plans and special provisions.

Chain link fence fabric specified for the fence shall be attached to the gate frame by the use of stretcher bars and the tie wires as specified for fence construction and suitable tension

connectors shall be spaced at approximately one foot (1') intervals. The gates shall be hung by at least two (2) steel or malleable iron hinges not less than three inches (3") in width, so designed as to securely clamp to the gate post and permit the gate to be swung back against the fence. The bottom hinge shall have a socket to take the ball end of the gate frame.

Gates shall be provided with a combination steel or malleable iron catch and locking attachment of approved design. Stops to hold gates open and a center rest with catch shall be provided where required.

Surplus excavated material remaining after the fence has been constructed shall be disposed of in a uniform manner along the adjacent roadway, or off the site, in either case as directed by the Engineer.

## **SECTION 4. SUBMITTAL**

### **A. STAGING AREA TEMPORARY FENCING PLAN**

A submittal shall include a narrative detailing the type of fencing, diagram of fence location and detailing compliance with the necessary requirements detailed in this section and include any necessary details for installation and maintenance of fencing for the duration of the project.